INTERNATIONAL SEARCH REPORT

Internatio application No

PCT/US2004/040091 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C10G67/08 C10G C10G67/14 C10G17/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C10G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 3 681 233 A (IVOR W. MILLS ET AL) 1 - 131 August 1972 (1972-08-01) column 4, line 35 - line 43 column 5, line 20 - line 30 column 5, line 69 - line 71 column 6, line 43 - line 55 X US 3 340 181 A (DIRINGER MONTY L ET AL) 1-8,10,5 September 1967 (1967-09-05) column 3, line 11 - line 34 column 4, line 1 - line 3; claim 1; table X US 2 944 015 A (RAUSCH MAURICE K ET AL) 1,3, 5 July 1960 (1960-07-05) 6 - 10.12column 3, line 3 - line 15 X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: °T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 February 2005 01/03/2005 Name and mailing address of the ISA Authorized officer

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Internation pplication No PCT/US2004/040091

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 3 346 483 A (SOMOGYI LASZLO ET AL) 10 October 1967 (1967-10-10) claim 1; example 1	1,3,6,7, 10,11		
X	US 1 980 377 A (BROWN ARTHUR B ET AL) 13 November 1934 (1934-11-13) the whole document	1,3,6-13		
X	US 3 953 319 A (CHESLUK ET AL) 27 April 1976 (1976-04-27) column 3, line 2 - line 27	1,3, 6-10,12		
A	US 3 749 666 A (LOCKWOOD W,US ET AL) 31 July 1973 (1973-07-31) the whole document	1-13		

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Information on patent family members

Internation pplication No PCT/US2004/040091

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 3681233	A	01-08-1972	US US US BE CH DE FR NL BE CH SH US US US	3804743 A 3759817 A 3462358 A 3502567 A 733479 A 925808 A1 517167 A 1926173 A1 2036629 A1 2014136 A5 6907881 A 7013504 A 754957 A4 562871 A5 2058346 A6 1326946 A 3839189 A 49019684 B 3928168 A	16-04-1974 18-09-1973 19-08-1969 24-03-1970 24-11-1969 08-05-1973 31-12-1971 05-02-1970 04-03-1971 17-04-1970 25-11-1969 14-03-1972 18-02-1971 13-06-1975 28-05-1971 15-08-1973 01-10-1974 20-05-1974 23-12-1975
US 3340181	Α	05-09-1967	NONE		
US 2944015	Α	05-07-1960	NONE		
US 3346483	Α	10-10-1967	AT DE GB	268492 B 1545260 A1 1124260 A	10-02-1969 09-04-1970 21-08-1968
US 1980377	Α	13-11-1934	NONE		
US 3953319	A	27-04-1976	AU BE CA DE FR GB IT JP NL	8328075 A 833193 A1 1055869 A1 2535450 A1 2283945 A1 1465457 A 1042356 B 51038305 A 7509986 A	27-01-1977 08-03-1976 05-06-1979 18-03-1976 02-04-1976 23-02-1977 30-01-1980 31-03-1976 11-03-1976
US 3749666	A	31-07-1973	NONE		